

**Request to Archive
With The National Centers for Environmental Information
For North American Multi-Model Ensemble
Provided by Multiple Providers**

2016-03-29

This information will be used by NCEI to conduct an appraisal and make a decision on the request.

1. Who is the primary point of contact for this request?

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2. Name the organization or group responsible for creating the dataset.

DOC/NOAA/NWS/NCEP/CPC > Climate Prediction Center, National Centers for Environmental Prediction, National Weather Service, NOAA, U.S. Department of Commerce

3. Provide an overview summarizing the scope of data you want to archive. Describe the outputs, data variables, including their measurement resolution and coverage.

This request for NMME data contains real-time forecasts from participating models. The data are global in 1x1 resolution. The data contain two portions:

- 1) Monthly real-time forecasts
- 2) Daily real-time forecasts

Variables are

- 1) Precip
- 2) Tmax at 2m
- 3) Tmin at 2m
- 4) 10 m wind speed
- 5) mean sea level pressure

4. What is the time period covered by the dataset? (YYYY-MM-DD, YYYY-MM or YYYY)

From 2016-05-01

Ongoing as continuous updates to the data record

5. Edition or version number(s) of the dataset:

N/A

6. Approximate date when the dataset was or will be released to the public:

2016-05-01

7. Who are the expected users of the archived data? How will the archived data be used?

Federal agencies; private sectors; international met services; academia and research.

8. Has the dataset undergone user evaluation and/or an independent review process? Did NCEI participate in design reviews?

The NMME project including the dataset has been reviewed by the NMME post-project review panel in Sep 2014.

9. Describe the dataset's relationship to other archived datasets, such as earlier versions or related source data. If this is a new version, how does it improve upon the previous version(s)?

This dataset contains inputs data from all participating models.

10. List the input datasets and ancillary information used to produce the data.

This dataset contains inputs data from all participating models.

11. List web pages and other links that provide information on the data.

<http://iridl.ldeo.columbia.edu/SOURCES/.Models/.NMME/>

<https://www.earthsystemgrid.org/search.html?Project=NMME>);

12. List the kinds of documents, metadata and code that are available for archiving. For example, data format specifications, user guides, algorithm documentation, metadata compliant with a standard such as ISO 19115, source code, platform/instrument metadata, data/process flow diagrams, etc.

1. To be available per request

13. Indicate the data file format(s).

1. GRIB 2
2. netCDF-3

14. Are the data files compressed?

No

15. Provide details on how the files are named and how they are organized (e.g., file_name_pattern_YYYYMM.tar in monthly aggregations).

Will be provided later.

16. Explain how to access sample data files and/or a file listing for previewing. If it is not available now, when will it be available?

Per request

17. What is the total data volume to be submitted?

Continuous Data: data volume rate for a continuous data production.

Total Data Volume Rate: 332GB per Year

Data File Frequency: 60 per Year

Data Production Start: 2016-05-01

18. Are later updates, revisions or replacement files anticipated? If so, explain the conditions for submitting these additional data to the archive.

No additional updates, revisions or replacement data are anticipated.

19. Describe the server that will connect to the ingest server at NCEI for submitting the data.

Physical Location: NCAR in Boulder, CO

System Name: Earth

System Owner: UCAR/NCAR > National Center for Atmospheric Research,
University Corporation for Atmospheric Research

Additional Information:

20. What are the possible methods for submitting the data to NCEI? Select all that apply.

1. FTP PULL
2. Physical Media Delivery

21. Identify how you would like NCEI to distribute the data. Web access support depends on the resources available for the dataset.

1. Direct download links
2. Advanced web services (e.g., THREDDS Catalog Service)

22. Will there be any distribution, usage, or other restrictions that apply to the data in the archive?

No known constraints apply to the data.

23. Discuss the rationale for archiving the dataset and the anticipated benefits. Mention any risks associated with not archiving the dataset at NCEI.

The NMME database is the most comprehensive seasonal prediction dataset available to the public. The dataset has stimulated an impressive body of research and applications including peer-reviewed papers and private sector decision making.

24. Are the data archived at another facility or are there plans to do so? Please explain.

No

25. Is there an existing agreement or requirement driving this request to archive? Have you already contacted someone at NCEI?

No

26. Do you have a data management plan for your data?

No

27. Have funds been allocated to archive the data at NCEI?

A request for funding through OAR is in progress.

28. Identify the affiliated research project, its sponsor, and any project/grant ID as applicable.

The current sponsors include CPO and NWS.

29. Is there a desired deadline for NCEI to archive and provide access to the data?

No deadlines for archive or access.

30. Add any other pertinent information for this request.

None